

1 **(BSP January 27, 2003)**

2 **Polyester Concrete Trial Overlay**

3 The Contractor shall place a trial overlay of polyester concrete using the equipment
4 selected by the Contractor and the production mix and procedure as approved by
5 the Engineer in accordance with Section 6-09.3(3). The Contractor shall notify the
6 Engineer of the time and location of the trial overlay at least seven calendar days
7 prior to the scheduled trial overlay.

8
9 The trial overlay shall be placed on a previously cast and cured concrete pad at a
10 location selected by the Contractor. The plan area of the concrete pad shall be
11 3.66 meters minimum in width and 4.57 meters minimum in length.
12

13 The Contractor shall clean the concrete pad surface, mix, place, finish, and cure
14 the polyester concrete overlay, and check the trial overlay for bond, in accordance
15 with Section 6-09.3 as supplemented in these Special Provisions, except as
16 otherwise noted. The Contractor need not scarify the concrete surface and perform
17 further deck preparation on the concrete pad surface provided that all other
18 conditions of Section 6-09.3(7) are satisfied. The trial overlay shall be 3.66 meters
19 wide, 4.57 meters long, and 20 millimeters thick.
20

21 The Contractor shall perform three pull-off tests on the trial overlay in accordance
22 with American Concrete Institute 503R - Appendix A. The Contractor shall record
23 the pull-off test results and the amount of (if any) failure into the base concrete, and
24 shall provide written documentation of the test results to the Engineer.
25

26 The Contractor shall not begin placing polyester concrete overlay at the bridge
27 site(s) receiving the polyester concrete overlay until receiving the Engineer's
28 approval of the completed trial overlay.
29

30 After receiving the Engineer's approval of the completed trial overlay, the concrete
31 pad and trial overlay shall become the Contractor's property and shall be removed
32 and disposed of in accordance with Section 2-02.3.